# Phylum - Echinodermata MCQ Question Answer

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Question: 1. Stone canal in star fish is associated with

Option A. digestive system
Option B. water vascular system
Option C. canal system
Option D. none of these

Question: 2. The locomotor organs of Echinoderms is called

Option A. parapodia
Option B. pseudopodia
Option C. setae
Option D. tube feet

Question: 3. Ambulacral system or water vascular system is typically found in

Option A. coelenterates
Option B. marine arthropods
Option C. echinodermates
Option D. sponges

Question: 4. A calcareous box like test is found in

Option A. sand dollar
Option B. sea cucumber
Option C. sea flies
Option D. sea horse

Question: 5. The animal that moves with tube feet is

Option A. Snail
Option B. Slug
Option C. Nereis
Option D. Sea-urchin

Question: 6. Pedicellariae are modified

Option A. spines
Option B. tube feet
Option C. integumentary structures
Option D. none of these

Question: 7. The larva that occurs in the development of Sea urchin is

Option A. pluteus

Option B. echinopluteus
Option C. bipinnaria
Option D. auricularia

Question: 8. Spines of the body of Sea urchin are

Option A. movable
Option B. immovable
Option C. prehensile
Option D. all of these

Question: 9. Water vascular system helps in

Option A. locomotion
Option B. respiration
Option C. feeding
Option D. all of these

Question: 10. Pentamerous echinoderms with five slender flexible arms sharply marked off from the central disc are

Option A. synapta and antedon
Option B. astrias and asterina
Option C. ophiothrix and ophioderma
Option D. all of these

Question: 11. In Sea urchin, Aristotle's lantern is a part of

Option A. mouth apparatus
Option B. exoskeleton
Option C. skeletal system
Option D. bioluminscent organ

Question: 12. Bipinnaria larva is found in the development of a

Option A. Sea-star
Option B. Star fish
Option C. Sea-cucumber
Option D. Sea lily

Question: 13. Madreporite is associated with

Option A. haemal system
Option B. digestive system
Option C. ambulacral system
Option D. reproductive system

Question: 14. Sea cucumber belongs to class

Option A. Crinoidea
Option B. Asteroidea
Option C. Holothuroidea
Option D. Ophiuroidea

Question: 15. The terrestrial species of Echinodermata is *

Option A. (a) Starfish
Option B. (b) Brittle star
Option C. (c) Sea lily
Option D. (d) None of these

Question: 16. Which of the following systems is found in Echinoderms ?

Option A. Nervous system with a large brain
Option B. Respiratory system
Option C. System of internal seleton
Option D. Excretory system

Question: 17. Star fishes are

Option A. herbivorous
Option B. omnivorous
Option C. carnivorous
Option D. none of these

Question: 18. The common name of Antedon is

Option A. Sea star
Option B. sea urchin
Option C. Sea cucumber
Option D. Feather star

Question: 19. One of these is a stalked echinoderm

Option A. Antedon
Option B. Echinocardium
Option C. Ophiothrix
Option D. Pentaceros

Question: 20. The larva of holothuroide is

Option A. torneria
Option B. onchosphere
Option C. trochophore
Option D. bipinnaria

Question: 21. Animals with radial symmetry in adults and bilateral symmetry in larvae are

Option A. coelenterates
Option B. polychaetes
Option C. echinodermates
Option D. hemichordates

Question: 22. Main difference between starfishes and brittle stars is in the

Option A. number of arms
Option B. structure of the ambulacral groove
Option C. tube feet
Option D. pedicellariae

Question: 23. Animals which exhibit radial, pen-tamerous symmetry in adults, and bilateral symmetry amongst larvae, are

Option A. sea-hares
Option B. sea-stars
Option C. devil fish
Option D. sea fans

Question: 24. Sea cucumber belongs to the class

Option A. Crinoidea
Option B. Asteroidea
Option C. Holothuroidea
Option D. Ophiuroidea

Question: 25. In star fish which of the following has dual function of locomotion and respiration

Option A. Axial sinus
Option B. Dermal papillae
Option C. Tube feet
Option D. Tiedamann bodies

Question: 26. In star fish the locomotary organs are

Option A. tube feet
Option B. lobopodia
Option C. cephalopodia
Option D. rhizopodia

Question: 27. Class Holothuroidea of phylum Echinodermat a includes

Option A. Sea stars
Option B. Cake urchins
Option C. Sea lilies
Option D. Sea cucumbers

Question: 28. Which of the following is a living fossil ?

Option A. Holothuria (sea cucumber)

Option B. Echinus (sea urchin)

Option C. Echittocardium (sand dollar)

Option D. Antedon (feather star)

Question: 29. Auricuiaria is the larva of

Option A. echinodea

Option B. holothuroidea

Option C. asteroidea

Option D. ophiuroidea

Question: 30. Water vascular system is found in

Option A. Star fish

Option B. Sea fan

Option C. Ship worm

Option D. None of these

Answer Sheet

| | | |
|---|---|---|
| 1 | C | |
| 2 | D | |
| 3 | D | |
| 4 | A | |
| 5 | D | |
| 6 | A | |
| 7 | B | |
| 8 | A | |
| 9 | D | |
| 10 | C | |
| 11 | A | |
| 12 | C | |
| 13 | A | |
| 14 | C | |
| 15 | D | |
| 16 | C | |
| 17 | C | |
| 18 | D | |
| 19 | A | |
| 20 | D | |
| 21 | C | |
| 22 | B | |
| 23 | C | |
| 24 | C | |
| 25 | C | |
| 26 | D | |
| 27 | C | |
| 28 | D | |
| 29 | B | |
| 30 | A | |